

City of Atlanta's



Bolton / Moores Mill

Transportation and Circulation Study



Tonight's Agenda

- Welcome
- Project Status
- Existing Conditions Review
- Draft Recommendations Overview
- Question and Answer
- Work Session

Project Status

Planning Process

TASK ONE

Engage the Community (occurs throughout)

TASK TWO

Establish Existing Conditions

TASK THREE

Analyze Existing Conditions

TASK FOUR

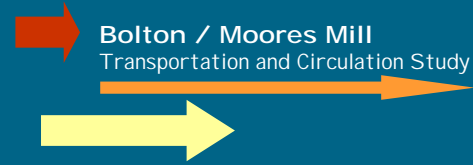
Develop Recommendations

TASK FIVE

Develop Final Plan and Five-year
Transportation Program

 We are here!

Tasks Accomplished



- Engaged the community (will continue)
 - Identified Issues/Opportunities
 - Advisory Committee Photo assignment
 - Kickoff Event
 - Identified Origins/Destinations
 - Kickoff Event
- Collected Existing Conditions Data
 - Transportation Network
 - Planned Improvements
 - Circulation Patterns (traffic volume counts)
- Analyzed Existing Conditions
 - Truck and Heavy Vehicle Impact/routing
 - Potential Project Constraints
 - Multi-mobility Needs
 - Public/Private Investment Needs

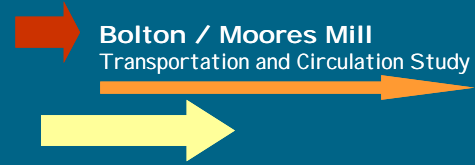


A Joint Venture

Developed Draft Recommendations

Existing Conditions Review

Community Input

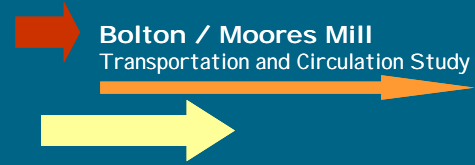


- Biggest Issues
 - Truck traffic, speed, and volume
 - Existing infrastructure
 - Intersections
- Desired Transportation Changes (in order)
 - Sidewalks
 - Reroute truck traffic
 - Improve roadways
 - Improve traffic control (i.e. intersections)
 - Bicycle facilities
 - Traffic calming
 - Transit
- Funding options ranged from private, local to federal



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Existing Conditions Review



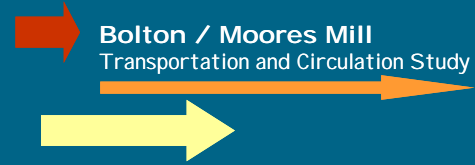
Transportation Network

- Roadway Network
 - Major Corridors include:
 - Marietta Boulevard and James Jackson Parkway: Arterials
 - Bolton Road: Major Collector
 - Marietta Road and Hollywood Road: Minor Collectors
 - Substandard Roadways include:
 - Bolton Road
 - Marietta Boulevard north of Bolton Road
 - Hollywood Road near Bolton Road



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Existing Conditions Review



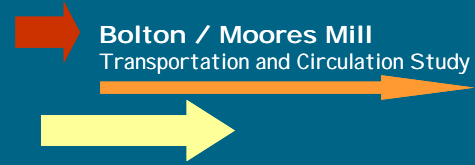
Transportation Network, cont.

- Alternate Transportation Options
 - Sidewalks are noticeably missing on Bolton Road and Marietta Boulevard
 - PATH - Existing trail from Marietta Road to Marietta Boulevard
 - MARTA service along Bolton Road, Marietta Boulevard, Peyton Road, Hollywood Road, Marietta Road, Coronet Street, Bolton Drive (Route Numbers: 60, 48, 2)
- Planned Improvements
 - PATH Trail Network
 - Sidewalk/Resurfacing project on Bolton Road between James Jackson Parkway and Marietta Boulevard
 - Streetscaping project to follow/accompany sidewalk project



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Existing Conditions Review



Circulation Patterns

- Heavy Vehicle
 - 16-19% of the average daily traffic (ADT) is heavy vehicle/truck traffic.
 - Primary paths:
 - I-285 to/through Marietta Boulevard.
 - I-285 to Norfolk Southern Intermodal entrance on Marietta Road.
 - Major generators include:
 - Norfolk Intermodal
 - CSX Rail station
 - LaFarge Industries
 - Fulton County Landfill



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Traffic Volume Map

LEGEND

- 17,404 VEHICLES PER DAY (BI-DIRECTIONAL)
- 5,555 VEHICLES PER DAY (BI-DIRECTIONAL)
- 5,437 VEHICLES PER DAY (BI-DIRECTIONAL)
- 13,254 VEHICLES PER DAY (BI-DIRECTIONAL)
- 12,877 VEHICLES PER DAY (BI-DIRECTIONAL)

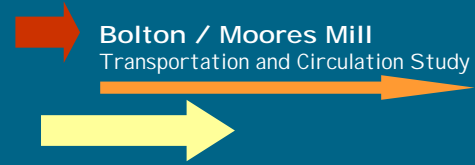


Existing Conditions Review

Circulation Patterns, cont.

- Passenger Vehicle
 - AM peak traffic flow primarily in the eastbound direction.
 - PM peak traffic flow primarily in the westbound direction.
 - Average Daily Traffic (ADT) ranges from:
 - 8,900 vpd to 13,500 vpd on Bolton Road
 - 6,400 vpd on Marietta Road
 - Roadway Levels-Of-Service (LOS) currently operating at a LOS of E – study area wide

Draft Recommendations Overview



Roadway upgrades

- Improve roadway surface along Bolton Road
- Implement a new typical section along Bolton Road.
- Construct more visible striping and signage along Marietta Road and Marietta Boulevard
- Additional recommendations incorporated into new Heavy Vehicle routing alternatives



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Draft Recommendations Overview

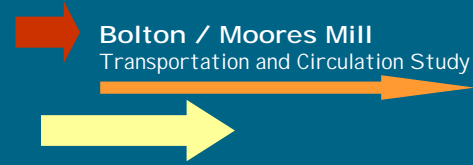
Sidewalk Improvements

- Bolton Road from Jackson Parkway to Marietta Boulevard (planned)
- Marietta Boulevard

Traffic-calming features

- Re-address existing speed humps to make them MUTCD compliant.
- Speed hump and roundabout implementation on Marietta Road.
- Incorporate bulbouts on Bolton Road typical street section

Draft Recommendations Overview



Intersection Improvements

Objectives

- Reduce number of approaches
- Simplify signal phasing
- Re-align obtuse roadway approaches
- Improved intersection illumination
- Upgraded pedestrian crossings

Recommended Intersections for Improvement

- Marietta Boulevard at Bolton Road
- Bolton Road at Hollywood Road

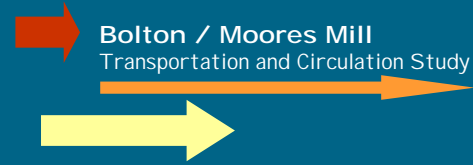


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Bolton Road at Marietta Boulevard
Geometric Concept #1



Bolton Road/Marietta Boulevard



Concept 1

- Creates a perpendicular intersection
- Reduces lanes from 6 to 4
- Removes Adams Lane from intersection
- Extends Moores Mill to Marietta Boulevard
- Benefits
 - Improves Safety
 - Improve Traffic flow
 - Creates new entry for Adams Road
 - Provides better roadway connectivity (Moores Mill extension)
- Challenges
 - Reduces lane capacity
 - Requires right-of-way purchase
 - Eliminates access to businesses on Bolton Road

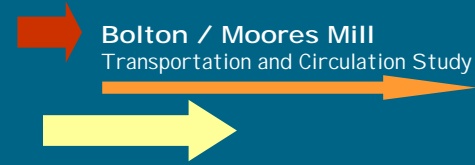


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Bolton Road at Marietta Boulevard
Geometric Concept #2



Bolton Road/Marietta Boulevard



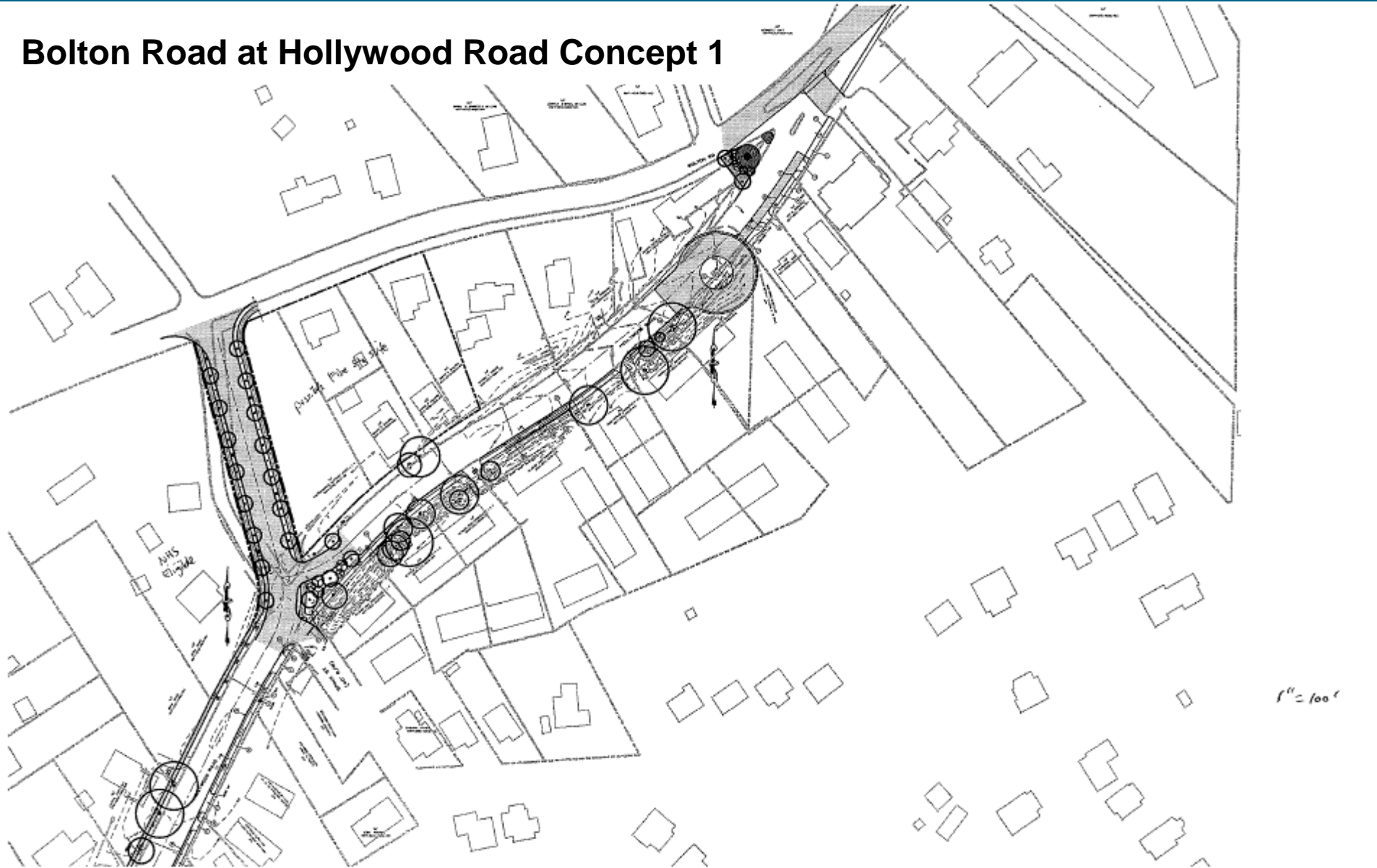
Concept 2

- Creates a left turn lane on Bolton Road at Moores Mill Road
- Removes Adams Road from intersection
- Creates a dual left turning lane on Marietta Boulevard
- Benefits
 - Improves Safety
 - Improves Traffic flow
 - Creates new entry for Adams Road
- Challenges
 - Reduces lane capacity
 - Requires right-of-way purchase
 - Does not improve roadway connectivity

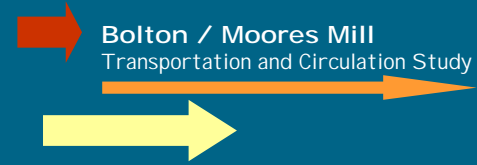


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Bolton Road at Hollywood Road Concept 1



Bolton Road/Hollywood Road



Concept 1

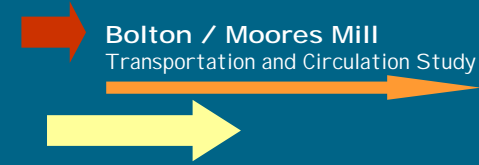
- Eliminates through movement on Hollywood Road
- Bolton remains a through movement
- Hollywood Road has new realignment to Bolton Road
- Benefits
 - Improves intersection safety
 - Discourages truck use of Hollywood Road
 - Opportunity for gateway landscaping
- Challenges
 - Cost inhibitive (new road construction, traffic signal)
 - Long term solution
 - Requires residential traffic rerouting
 - Requires right-of-way purchase
 - Does not improve roadway connectivity

Bolton Road at Hollywood Road
Geometric Concept #2



Bolton Road/Hollywood Road

Concept 2



- Eliminates through movement on Bolton Road
- Hollywood Road remains a through movement
- Requires two 90 degree turning movements (on Bolton Road)
- Benefits
 - Eliminates skewed intersection approach.
 - Discourages use of Bolton Road by truck traffic.
 - Opportunity for gateway landscaping.
- Challenges
 - Cost inhibitive (new road, traffic signal construction)
 - Long-term solution
 - Possible increase in congestion
 - Requires purchase of right-of-way
 - Does not increase roadway connectivity



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Truck Routing

Objectives

- Divert truck traffic from residential roads
- Increase safety
- Identify both long term and short term solutions

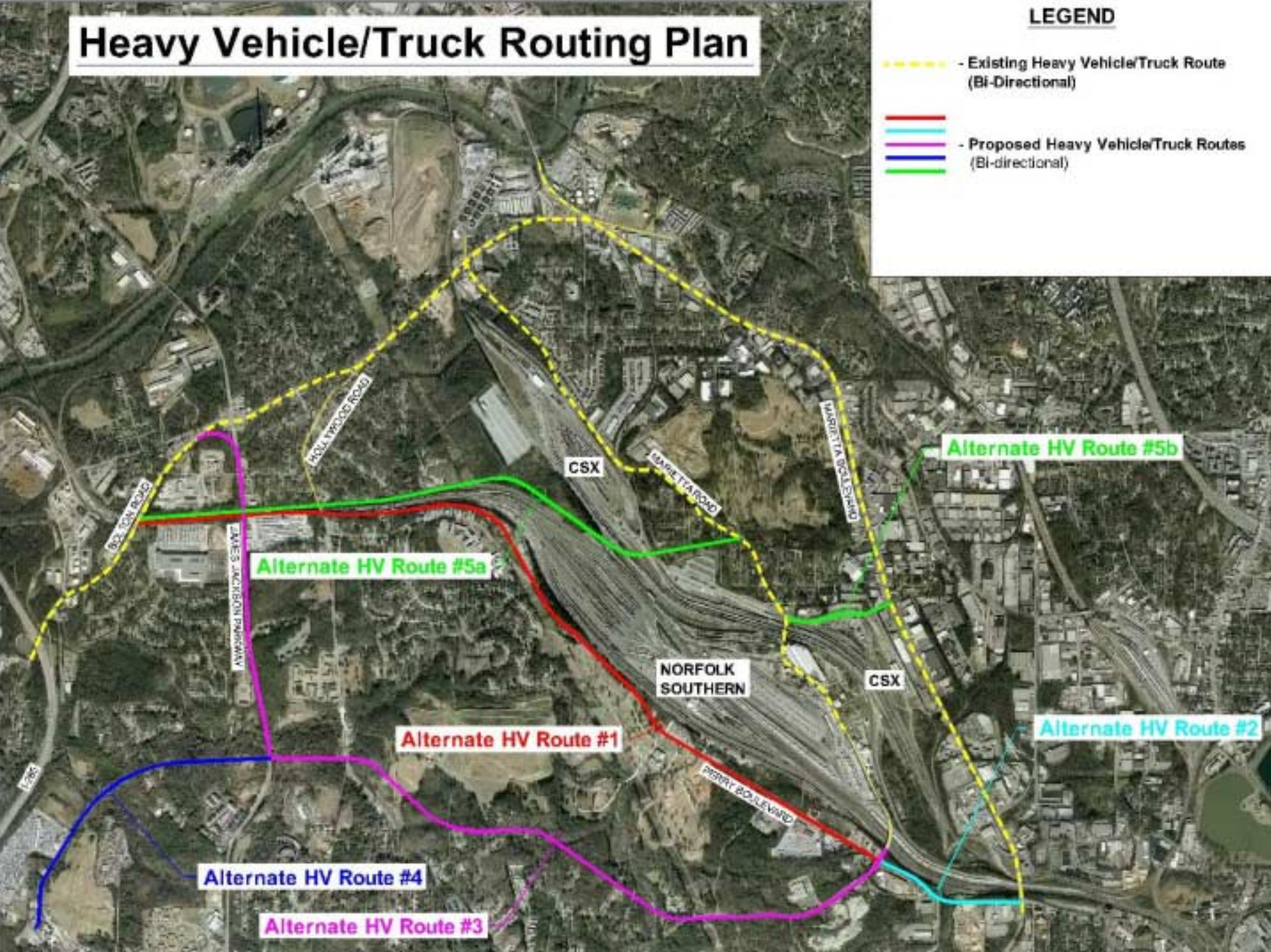
Short Term Strategies

- Eliminate left turning movements
- Physical barrier installation
- Prohibit through truck trips
- Issues
 - Extensive enforcement required
 - Legal considerations
 - Violates design standards
 - Potential traffic volume re-routing through residential areas

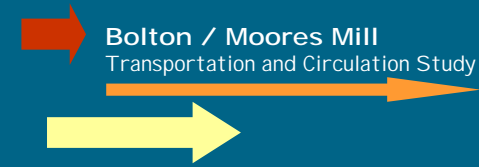
Heavy Vehicle/Truck Routing Plan

LEGEND

- Existing Heavy Vehicle/Truck Route (Bi-Directional)
- Proposed Heavy Vehicle/Truck Routes (Bi-directional)



Alternate HV Route #1



Benefits

- Diverts truck traffic off from Bolton Road
- Reduces vehicle congestion
- Increases safety in residential areas

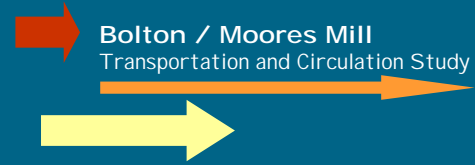
Challenges

- Cost inhibitive (new road construction)
- Long-term
- Introduces truck traffic to neighboring residential areas
- Requires purchase of railroad right-of-way



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Alternate HV Route #2



Benefits

- Diverts truck traffic from Marietta Road
- Reduces vehicle congestion
- Increases safety in residential areas
- Short-term
- Low investment

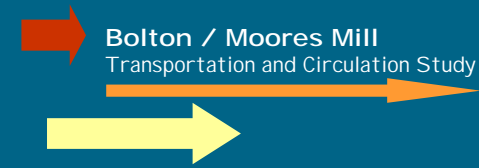
Challenges

- Enforcement
- Nothing to keep traffic off Bolton Road
- Introduces additional truck traffic to Marietta Boulevard



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Alternate HV Route #3



Benefits

- Diverts truck traffic from Bolton Road
- Reduces vehicle congestion
- Increases safety in residential areas

Challenges

- Cost inhibitive (new road construction)
- Long-term
- Introduces truck traffic to neighboring residential areas
- Potential traffic congestion at Hollywood and James Jackson Parkway



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Alternate HV Route #4

Benefits

- Diverts truck traffic from Bolton Road
- Reduces vehicle congestion
- Increases safety in residential areas
- Provides good access interchange at I-285

Challenges

- Cost inhibitive (new road construction)
- Long-term
- Introduces truck traffic to neighboring residential areas
- Potential traffic congestion at Hollywood Road, James Jackson Parkway, and Bankhead Highway

Alternate HV Route #5a and 5b

Benefits

- Diverts truck traffic from Bolton Road
- Reduces vehicle congestion
- Increases safety in residential areas
- 5b possible short-term, less costly option

Challenges

- Cost inhibitive (new road construction)
- Long-term
- Introduces truck traffic to neighboring residential areas near Hollywood Road (adds new intersection)
- Require purchase of railroad right-of-way
- Requires construction of bridge over rail yard

Next Steps

- Finalize Recommendations
- Develop Final Plan
 - Will include a Five-year Action Schedule and Long Term Recommendations
- Present Final Plan - December 16, 2004

Question and Answers

Our meeting isn't over!!!!

Please help us by providing input at our Work Session.

Using the comment book, provided at the sign in table, please provide your comments on the information presented at the work stations set up around the room.